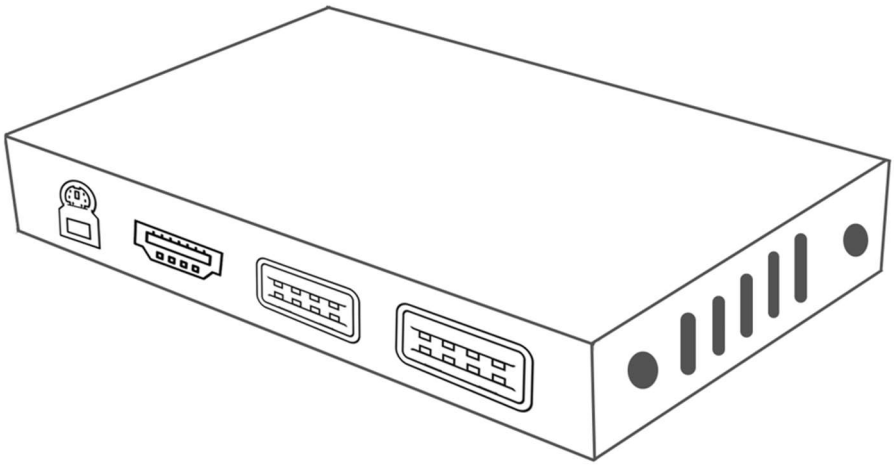
User Manual

Cable Connection

For Rotary Knob Version



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1. Toggle Switch Setup

1.1 Choose the toggle switch setup according to the size of your car's screen

Car Model	7/8 inch screen	10.3/12.3 inch screen
NX 2014-2020		
ES 2014-2020		
RX 2016-2020		

IS 2014-2020		
GS 2012-2019 UX 2017-2020 CT 2014-2020 LS 2014-2020 LX 2015-2020 LC 2016-2019 RC 2015-2020		

1.2 Where to find the toggle switch?



1.3 Setting the toggle switch for cars with 7" or 8" display screen

Tips: for 7" and 8" display cars, there are two dialing options, Dial Setup 1 and Dial Setup 2.

1) Default toggle switch setup is Dial 1. After cable connection, long press the "MENU" button in the rotary knob for 3 seconds, If the CarPlay decoder main interface don't work normally, please change the toggle switch into Dial setup 2.

2) after the power cable connection, when change the toggle switch setup, you need to restart the car engine and reconnect the CAN cable. Please view the Page 4 for detail steps on how to change the toggle switch.

for Rotary Knob Control
Display screen is 7" or 8"

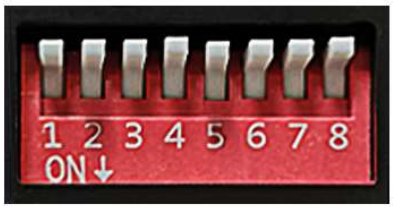
dial setup 1



Smart Link System



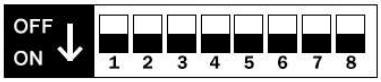
	1	2	3	4	5	6	7	8
Off	✓	✓	✓	✓	✓	✓	✓	✓
On								



dial setup 2



Smart Link System



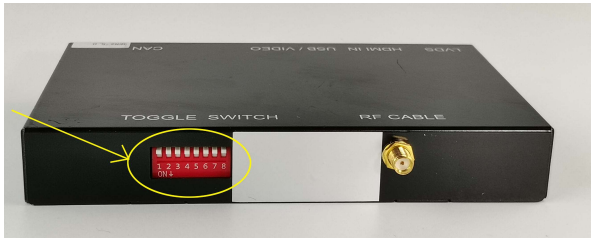
	1	2	3	4	5	6	7	8
Off	✓	✓			✓	✓	✓	✓
On			✓	✓				



Tip: when change the toggle switch setup, you need to restart the car engine.

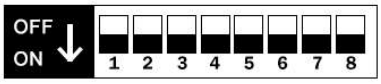
Steps for change the toggle switch

After the power cable connection, when change the toggle switch setup, you need to restart the car engine and reconnect the CAN cable.

Steps for change the toggle switch	
Step 1 : power off the engine	
Step 2 : unplug the CAN power cable	
Step 3 : change the toggle switch according the toggle switch dial setup chart	
Step 4 : reconnect the CAN power cable	
Step 5 : power on the engine	

1.4 Setting the toggle switch for cars with 10.3" or 12.3" display screen

<table>
<tr><td colspan="2">for Rotary Knob Control
Display screen is 10.3"</td></tr>
<tr><td>dial setup 1

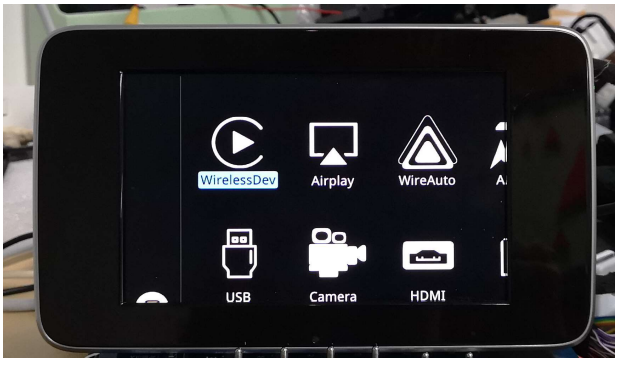
</td><td>Smart Link System


<table>
<tr><td></td><td>1</td><td>2</td><td>3</td><td>4</td><td>5</td><td>6</td><td>7</td><td>8</td></tr>
<tr><td>Off</td><td>✓</td><td>✓</td><td>✓</td><td></td><td>✓</td><td>✓</td><td>✓</td><td>✓</td></tr>
<tr><td>On</td><td></td><td></td><td></td><td>✓</td><td></td><td></td><td></td><td></td></tr>
</table>

</td></tr>
<tr><td colspan="2">Tip: when change the toggle switch setup, you need to restart the car engine.</td></tr>
</table>

1.5 Wrong toggle switch setup will cause black screen, flash screen, half-screen, etc.

Please contact us for the correct toggle switch setup code if you meet problems as in the follow chart.

Black screen when switch to CarPlay function	Half-screen when switch to CarPlay function
	

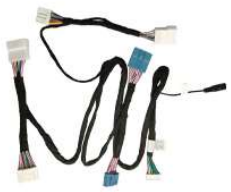
2. Dashboard Removal

Please scan QR code, view the detail via YouTube video on dashboard removal guidance.

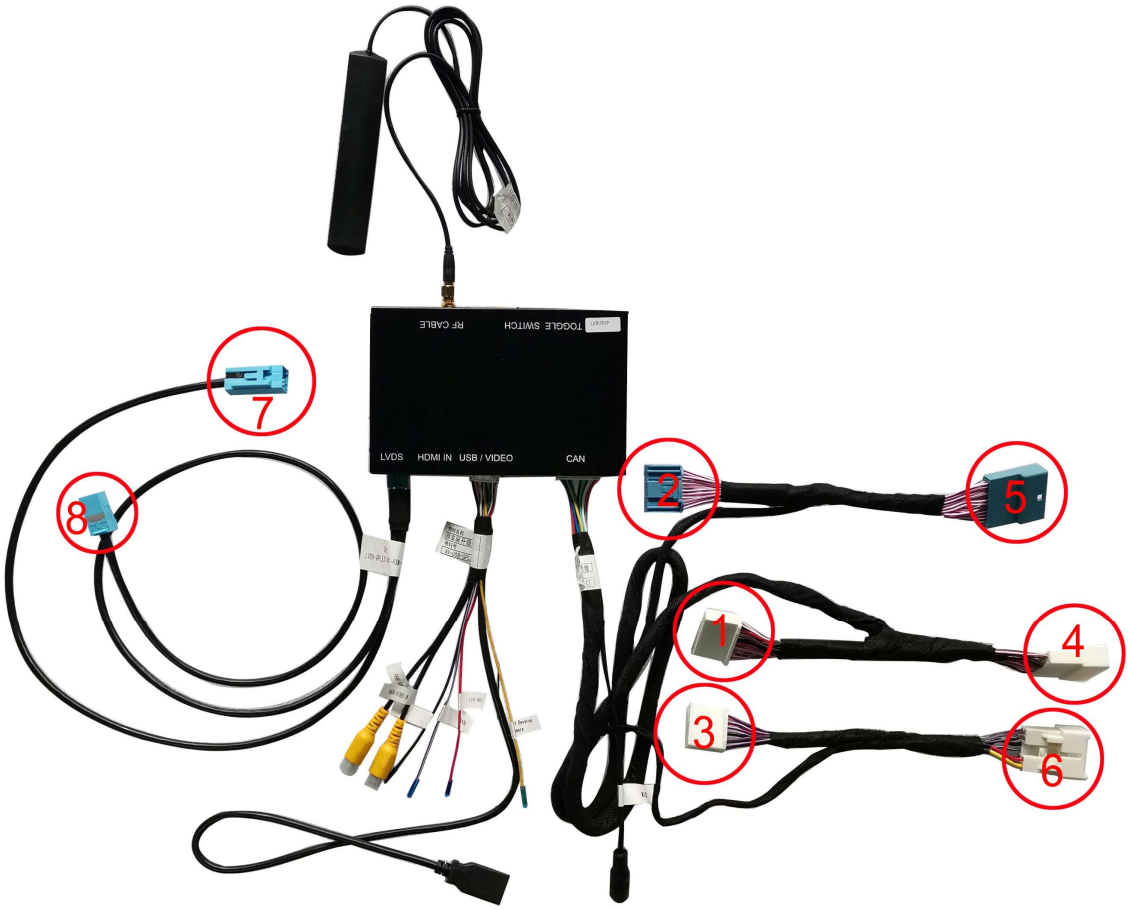
For NX	For ES

3. Cables Connection

3.1 Cables Accessories

<table>
<tr><td>
power cable harness</td><td>
LVDS cable</td><td>
the screen power cable</td></tr>
<tr><td>
USB cable</td><td>
WI-FI antenna</td><td></td></tr>
<tr><td colspan="3"></td></tr>
</table>

3.2 Cable Connection Chart



1/2/3---connect to head unit host

4/5/6---connect to OEM power cable

7---connect to the screen LVDS port

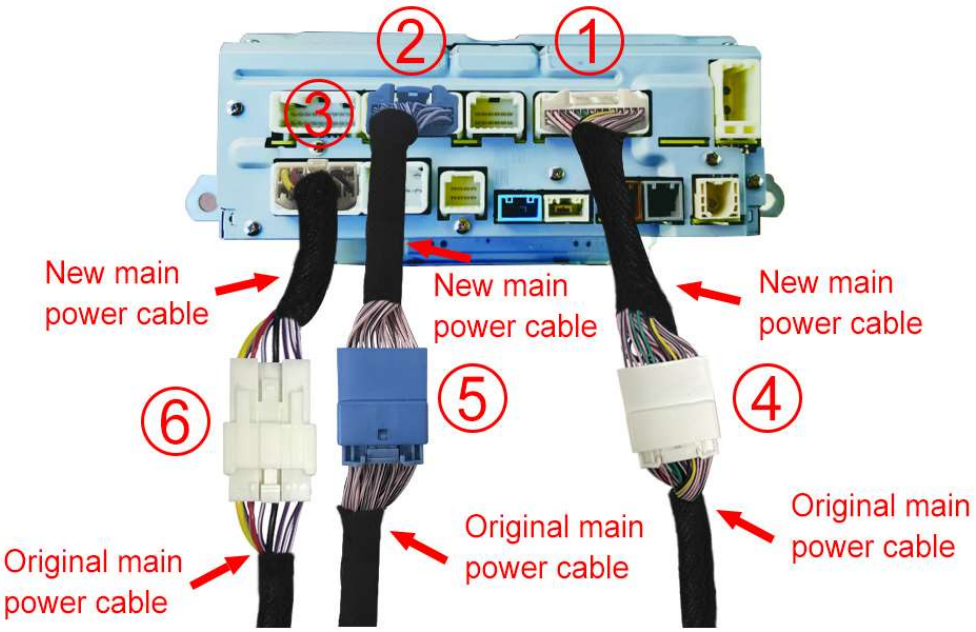
8---connect to the head unit host LVDS cable

After cable connection, by long press “MENU” button, you can switch the system between the original system and the CarPlay system.



3.3 Power Cable connection

① is for 28 pin jack, ② is for 24 pin jack, ③ is for 10 pin jack

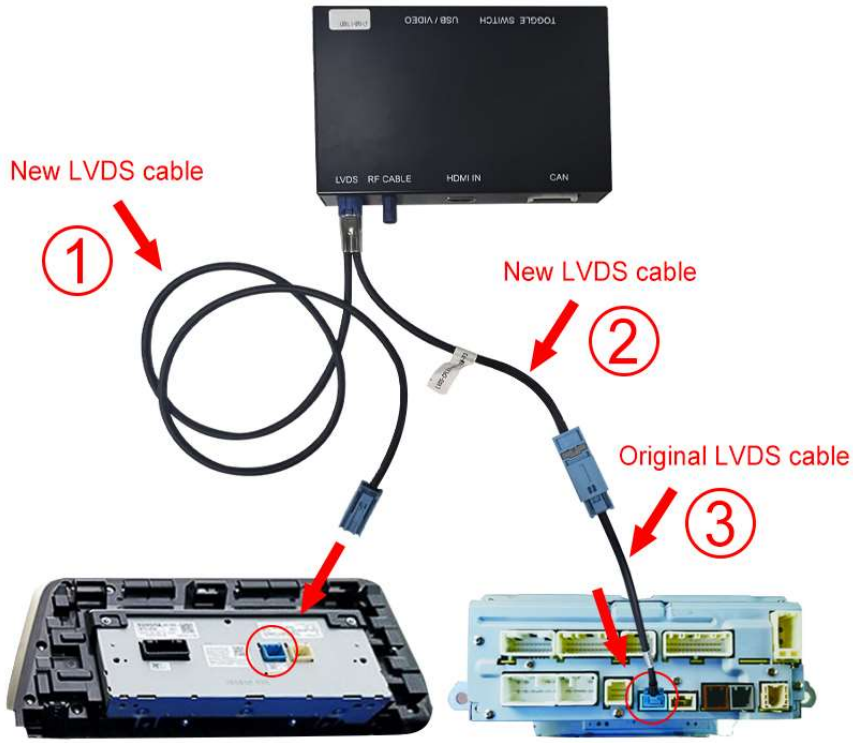


3.4 LVDS Cable connection

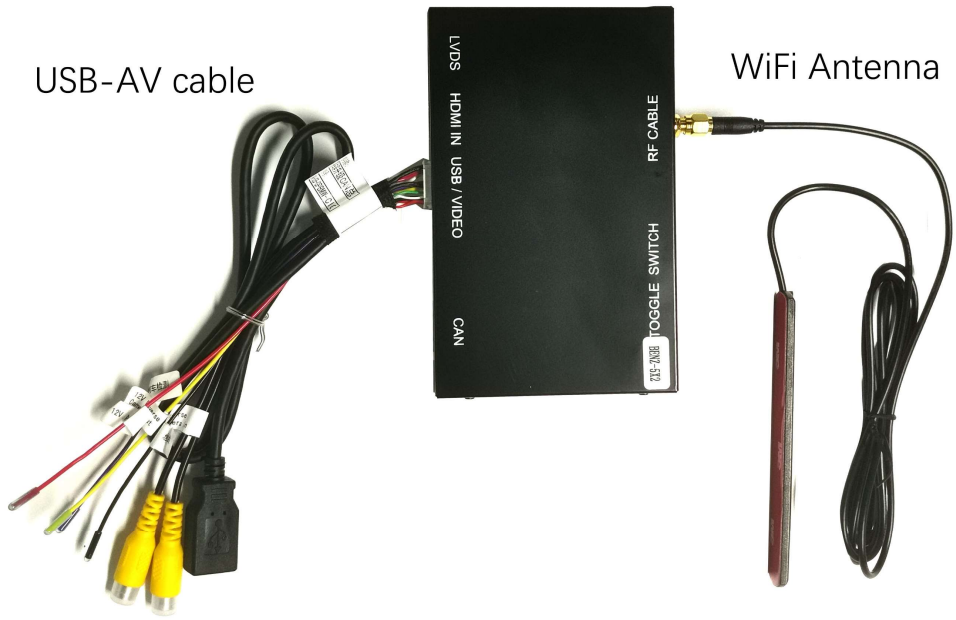
1) New LVDS 1 cable goes to the LVDS port of the screen.

2) New LVDS 2 cable goes to original OEM LVDS cable.

3) Wrong LVDS cables connections will cause black screen.



3.5 WiFi antenna and USB-AV cable connection

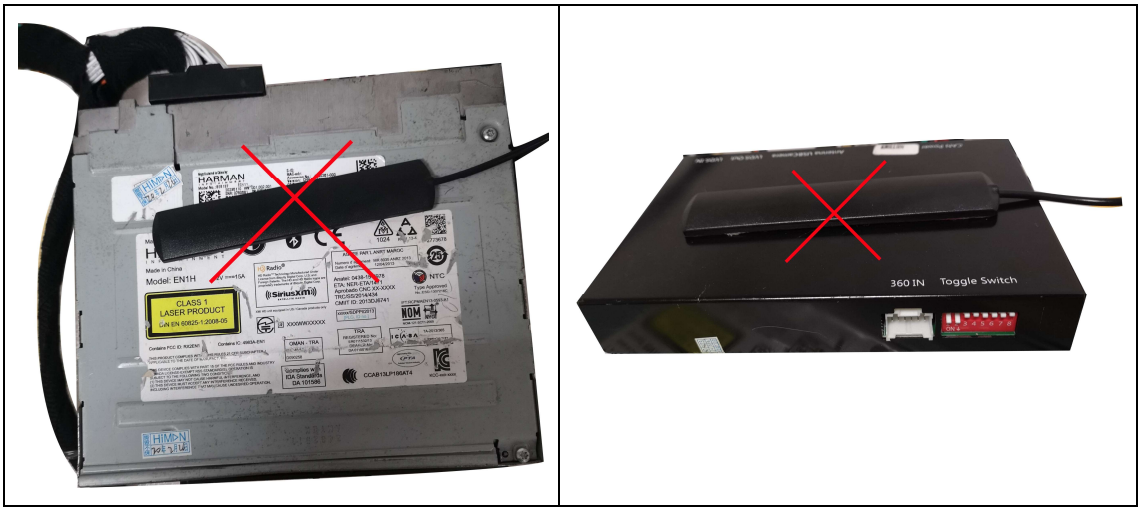


Tip :

A) The WiFi antenna cannot be placed close to metal objects.

(The WiFi signal will lose if WiFi antenna is close to the metal objects.)

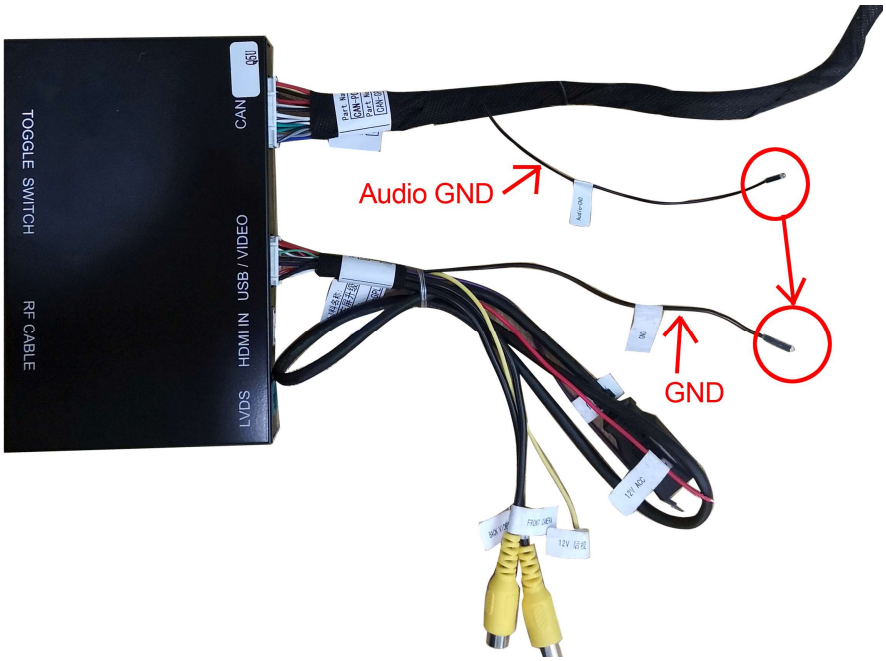
B) The USB port in the USB-AV cable is used for software updates.



3.6 Audio GND Cable connection

In the power cable harness, there is a wire with label “Audio GND”.
There is no need to connect the “Audio GND” cable, unless the sound of the CarPlay is distorted or with noise or the sound can’t work.

If you have problem about the sound of the CarPlay, like without sound, noise, distorted sound, etc., please connect the “Audio GND” cable of the power cable, to the “GND” cable of the AV-USB cable.



3.7 The CarPlay interface decoder box should be put behind the head unit host or in the glove box.

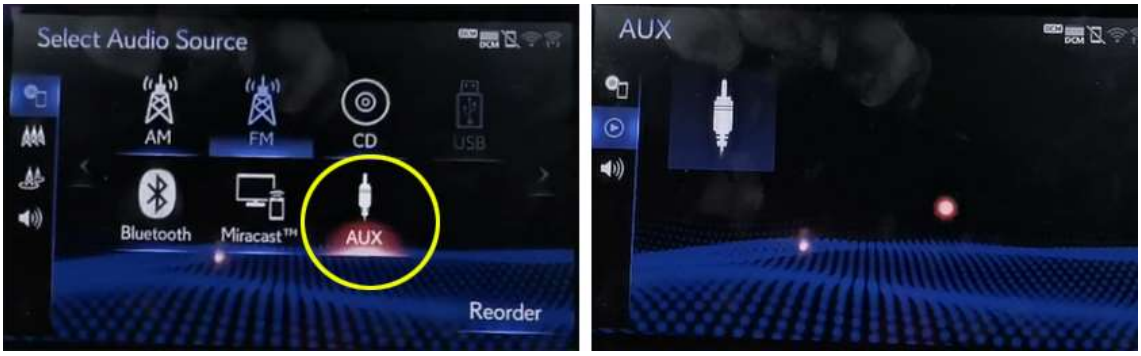
on or behind the OEM head unit	In the glove box
	

4. CarPlay Decoder Sound Setup

Two ways optional for sound transmission to car audio: AUX output and phone Bluetooth output.

4.1 AUX Output

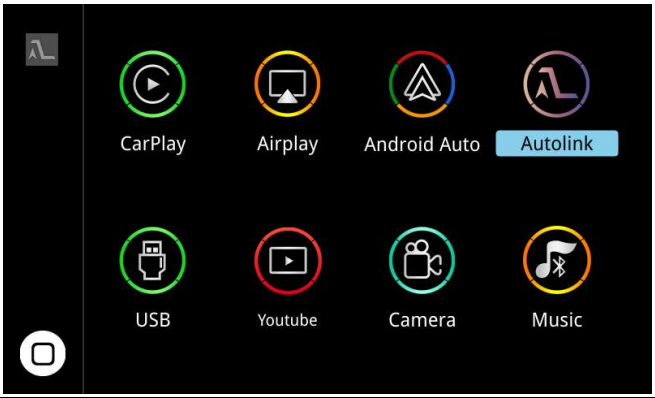
Before using the CarPlay system, you need to set the sound input on your OEM interface to "AUX", otherwise the CarPlay /Android Auto system will have sound!



After finish the AUX setting, long press "MENU" button from rotary knob controller, you can switch the system between the original Lexus system and the CarPlay system.



The CarPlay decoder main interface

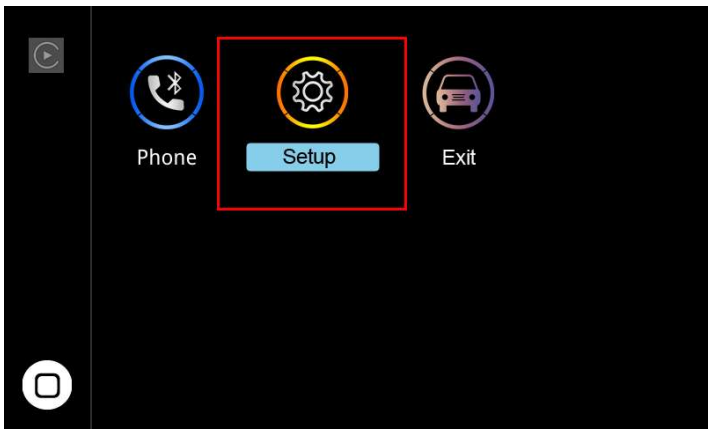
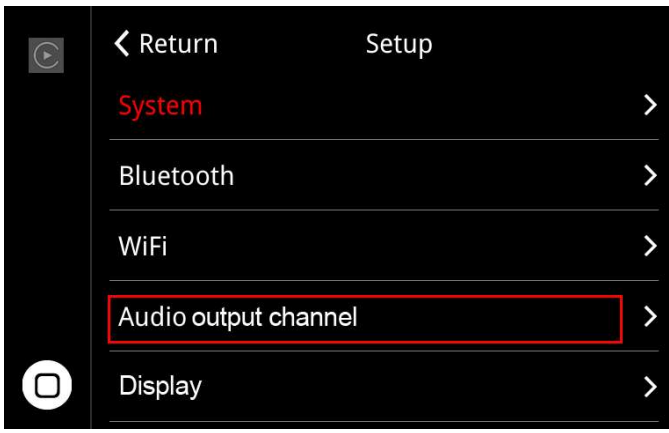
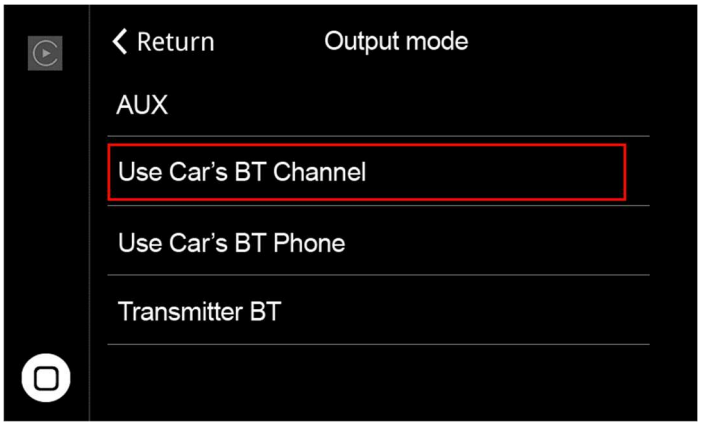
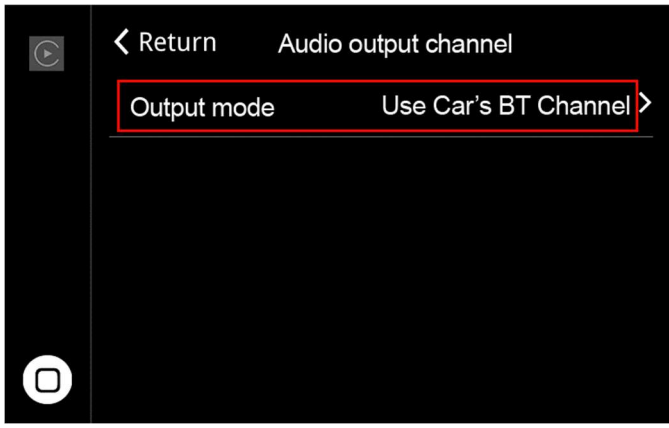


4.2 Phone Bluetooth output

Note: This sound connection mode only supports Carplay and Android Auto, as well as Bluetooth calls. USB/SD card music video sound output is not supported. Mirrored sound output is not supported.

4.2.1 Set the CarPlay decoder box sound output mode into “Use Car’s BT Channel”

Enter the “Setup” menu from the decoder main menu , Set the “Audio output channel” into “Use Car’s BT Channel” .

Step 1	Step 2
	
Step 3	**Step 4**
	

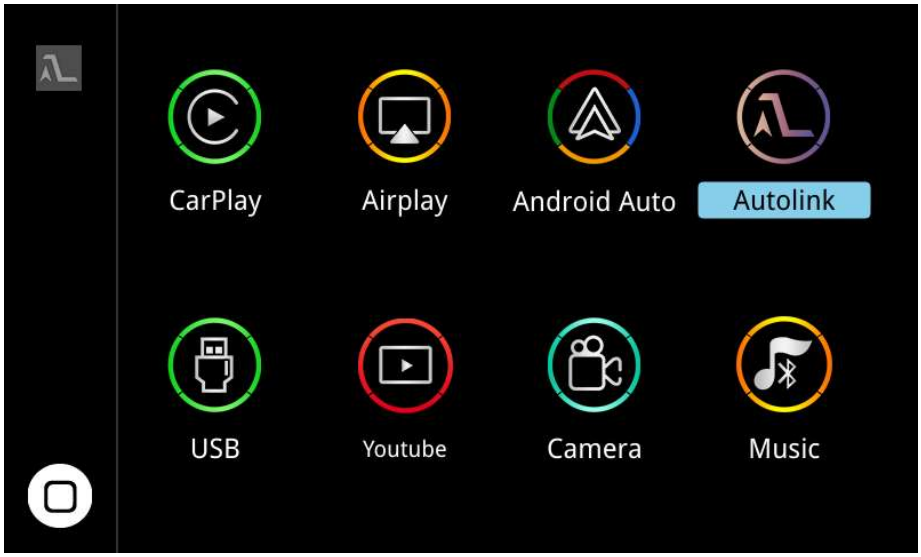
4.2.2 Pair the Phone Bluetooth to the OEM Audi Bluetooth

4.2.3 After the phone Bluetooth is paired successfully, Keep the original OEM Lexus system into Bluetooth audio page, and long press “MENU” button from rotary knob controller to enter into the CarPlay decoder interface and enjoy the CarPlay/Android auto.





The CarPlay decoder main interface



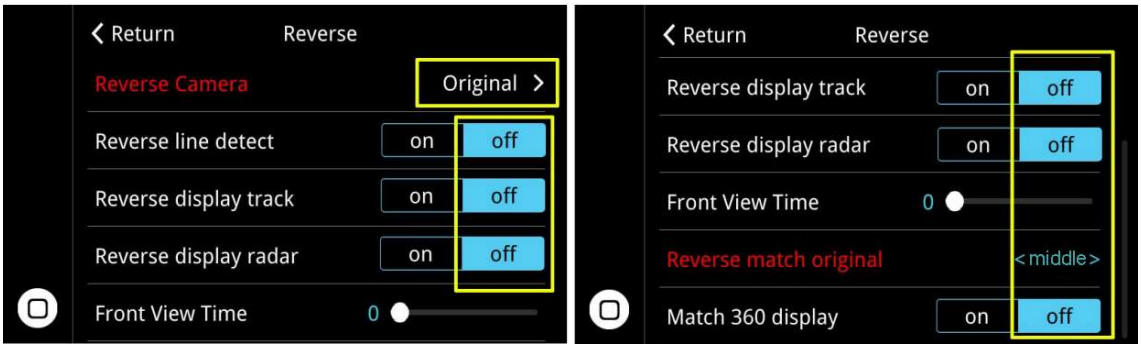
5. Original Camera Setting

5.1 Original rear camera and 360 surround view camera setting

A) Click the “Setup” icon from the decoder main menu, choose “Reverse”, then set the reverse camera into “Original”.

B) The “Reverse line detect”, the “Reverse display track” and the “Reverse display radar” are set to “off”.

C) The “Match 360 display” set to “off ”.



6. Screen Power Cable Connection

6.1 Default way for the screen power cable connection

1) For 7” and 8” display screen cars without OEM 360 surround view panoramic camera: Default way is to connect the screen power cable

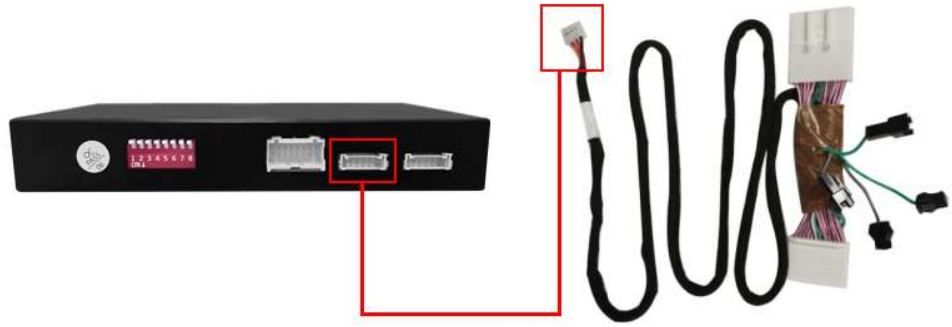
2) For 7” and 8” display screen cars with OEM 360 surround view panoramic camera, and for 10.3” display cars: Default way is no need to connect the screen power cable

6.2 When you meet the problems as below, you need to connect the screen power cable.

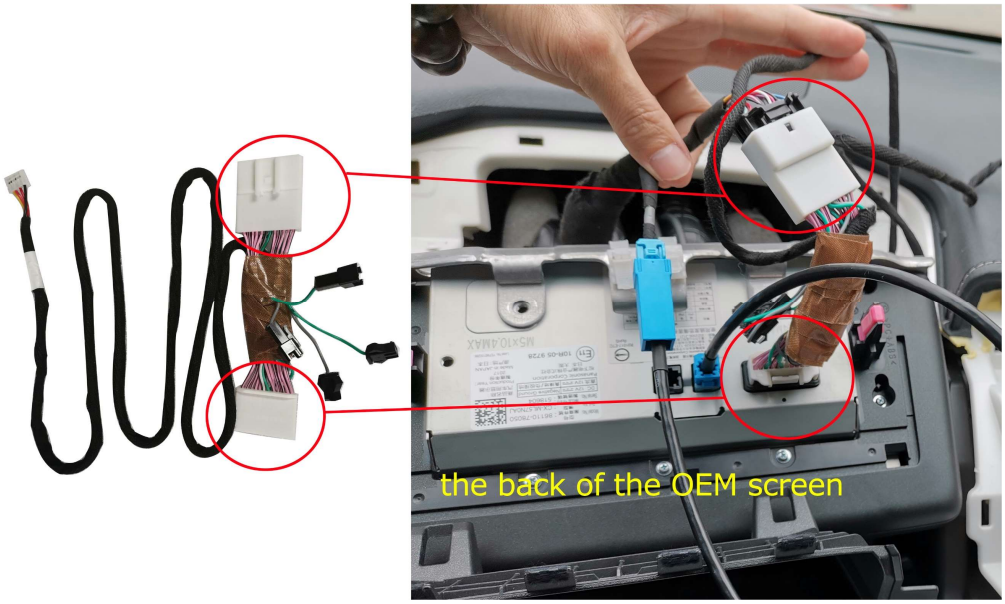
After install the CarPlay decoder box, if the screen flickers intermittently (Interval time is about 10 to 20 seconds or more) or the OEM camera doesn’t work properly (the camera don’t work in the CarPlay interface, or black screen when in reverse, or black screen after reverse， etc.), you need to connect the screen power cable.

6.2.1 Steps on connecting the screen power cable

Step 1: Screen power cable connection chart

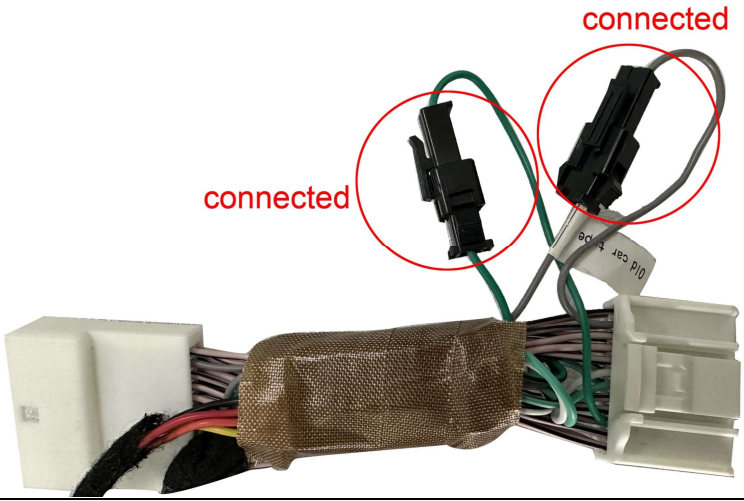


Step 2: You need to unplug the OEM screen power cable at the back the OEM screen, then connect this screen power cable to the OEM screen and the original screen power male cable.



Step 3: connect the small jack of green color wires

connect the small jack of gray color wires

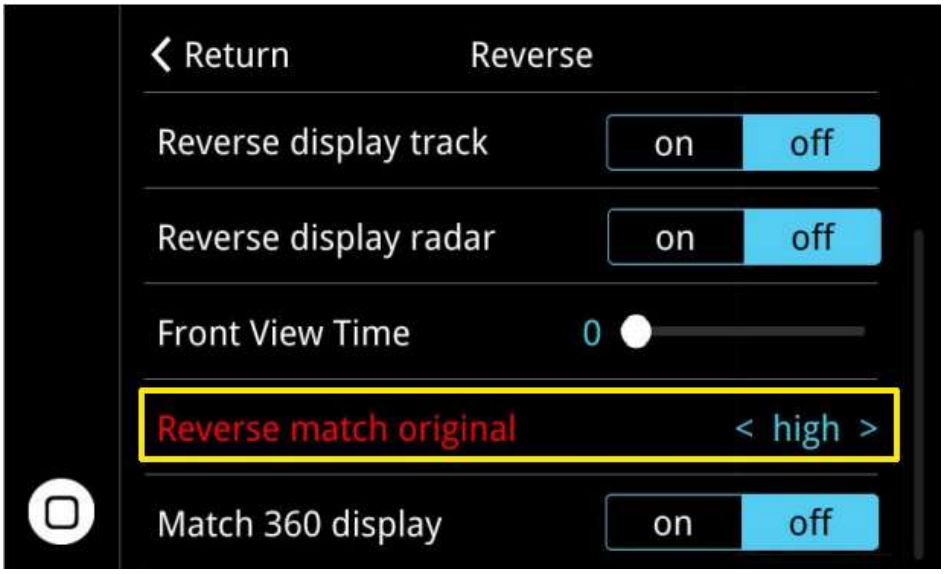


6.3 Solution for the screen flickering intermittently

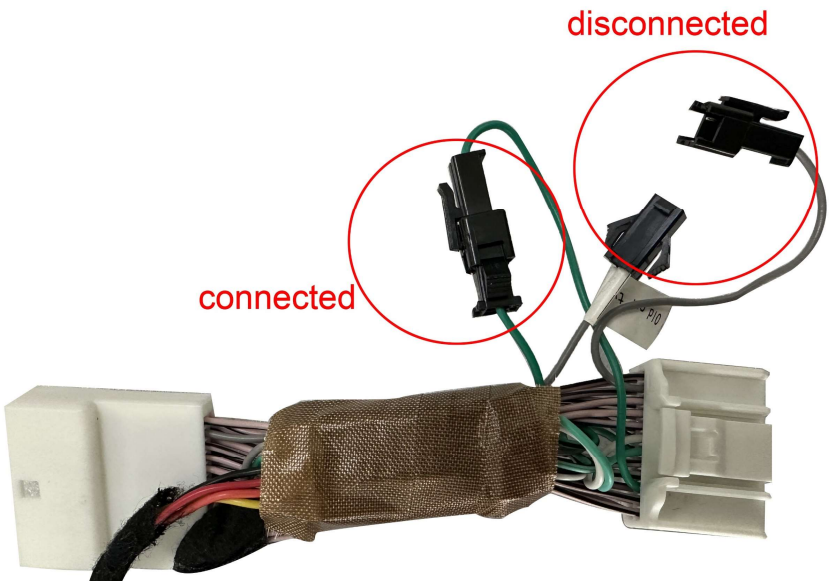
After install the CarPlay decoder box, if the screen flickers intermittently (Interval time is about 10 to 20 seconds or more), please follow the steps below to solve the problem.

Step 1: connect the screen power cable as showed in previous page.

Step 2: enter the “Setup” menu from the decoder main menu, choose “Reverse”, and set the “Reverse match original” in to “high”, “middle” or “general”, test it one by one, and you need to restart the engine after changing the setting each time.



Step 3: After the Step 2 finished, if the screen still flickers intermittently, please disconnect the small jack with gray color wires and restart the engine.

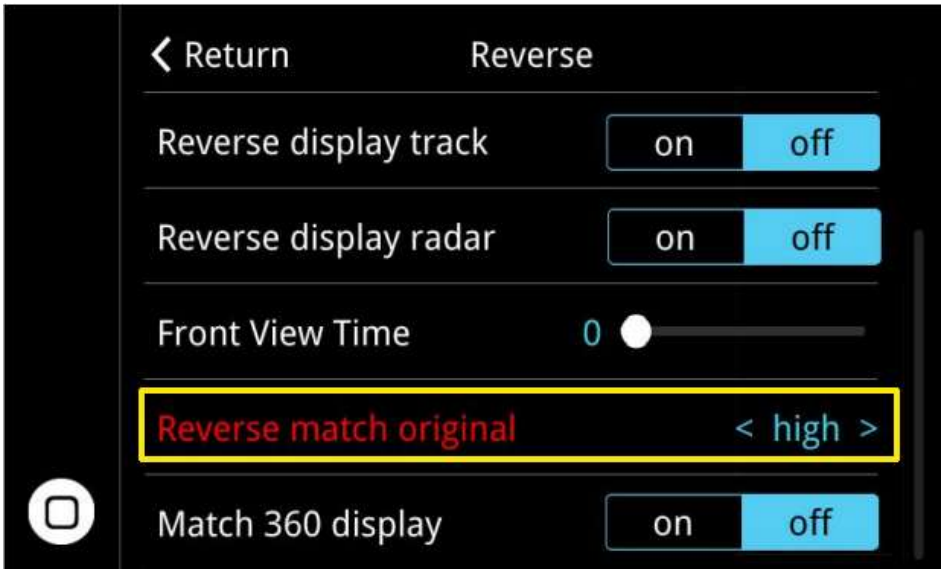


6.4 Solution for the OEM camera working wrong

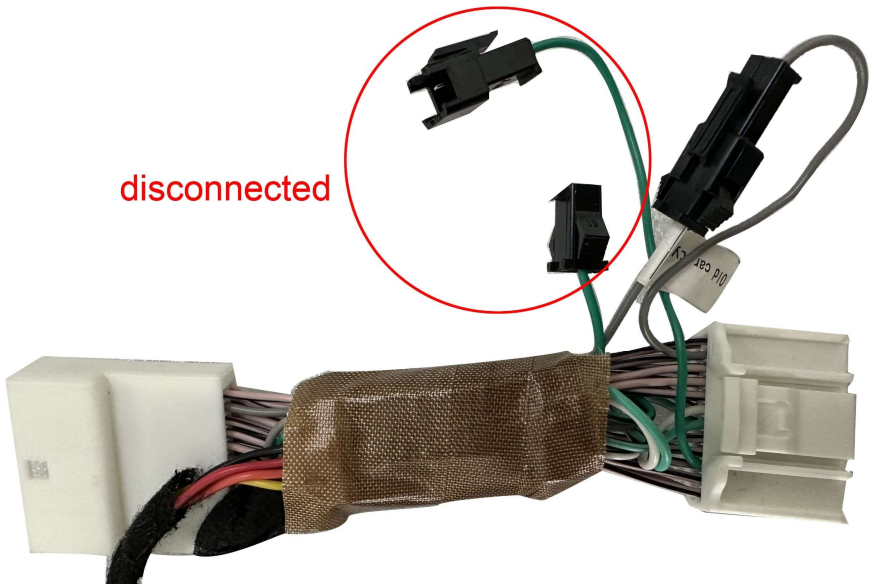
After install the CarPlay decoder box, if the OEM camera doesn't work properly (the camera doesn't work in the CarPlay interface, or black screen when in reverse, or black screen after reverse, etc.), please follow the steps below to solve the problem.

Step 1: connect the screen power cable as showed in page 15.

Step 2: enter the "Setup" menu from the decoder main menu, choose "Reverse", and set the "Reverse match original" in to "high", "middle" or "general", test it one by one, and you need to restart the engine after changing the setting each time.



Step 3: After the Step 2 finished, if the OEM camera still work incorrectly, please disconnect the small jack with green color wires and restart the engine.



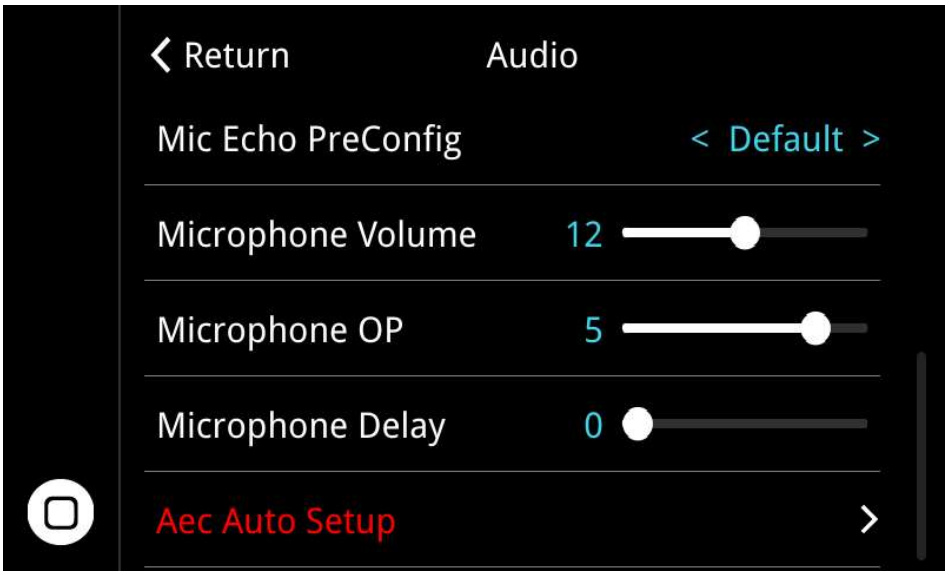
7. FAQ

Questions 1: Echo sound during the call

Solution

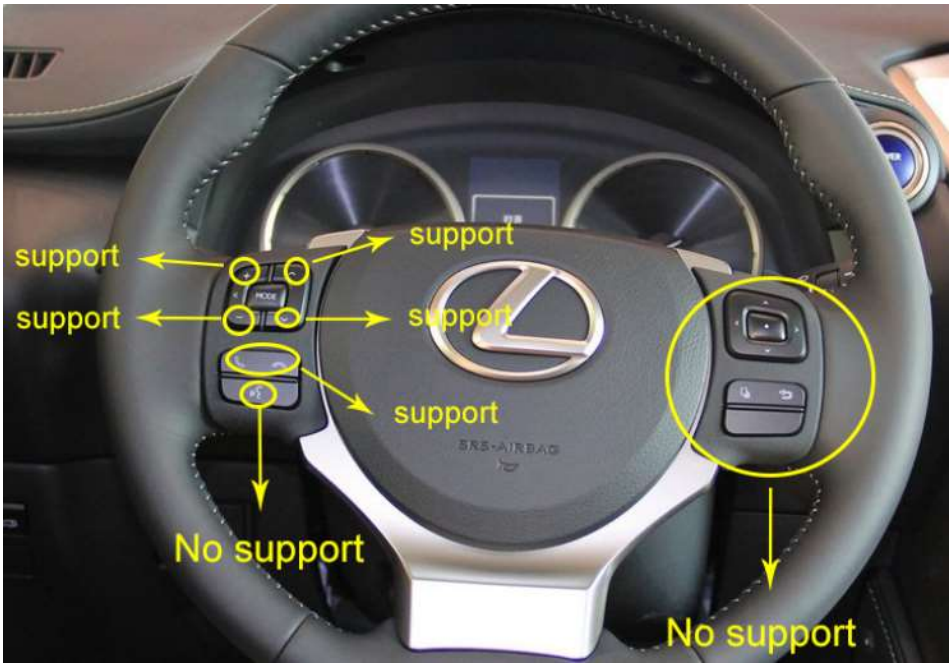
1) in the Audio setting, set the “Mic Echo PreConfig“ into “Default”,“IS” OR “lx570” , then restart the engine.

2) in the Audio setting, Choose Aec Auto Setup to adjust the “Mic Echo PreConfig” Automatically.



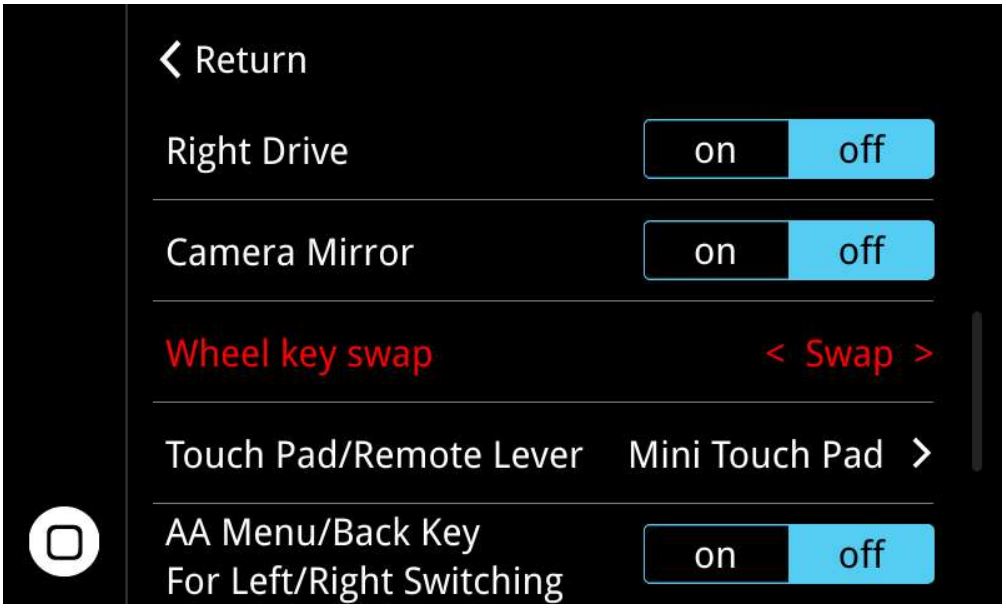
Questions 2: Steering wheel control buttons

Solution: for the steering wheel control buttons, the CarPlay interface decoder box support ,Tel button, voice “+” and “-“ buttons, the other buttons are not supported.



Questions 3: The buttons on steering wheel can't work. for example, the buttons on steering wheel don't allow to change song or answer phone

Solution: in the setting, set the "Wheel key swap" into "Invalid", "Swap" OR "No swap" , test it one by one, and you need to restart the engine after changing the setting each time.



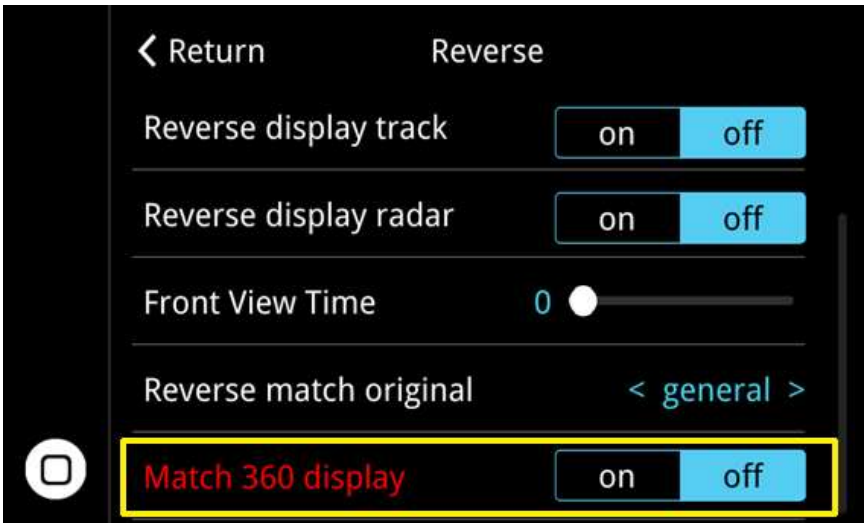
Questions 4: Siri function activation

Solution: Long press confirm button to activate the Siri function



Questions 5: When turning on the left and right turn signals in the CarPlay decoder interface, the screen will switch back to the original OEM system

Solution: in the reverse setting, set the “Match 360 display“ into “off”



8. Contact Us

Please contact us via purchase platform, mail or the WhatsApp if you need any help.

Tip:
before contacting us, please help us to collect the following information.

1. the order ID
2. the car model
3. the year of the car
4. screen size of the car
5. the toggle switch setup
6. pictures about the LVDS cable connection
7. the software version (in the CarPlay decoder menu, enter into the “Setting”, choose the “System Version”, you will see the software version.)

